

# HIGH YIELD

## BENTONITE GEL

### DESCRIPTION

**High Yield** is a Polymer Extended Sodium Bentonite that yields a minimum 200 barrel of API fluid per ton of material. It mixes rapidly for quick hydration and carries cuttings in mud with lower soil content. **High Yield** diminishes fluid loss conditions, reduces seeping into permeable formations, and helps eliminate loss circulations.

### APPLICATION

**High Yield** is ideal for use in water well, monitoring well, mineral exploration, seismic operations, and directional drilling applications.

### RECOMMENDED USAGE

Pre-treat makeup water with *Water Treat*, a pH conditioner, to pH of 8-10.

Normal Formation : Mix 15-20 lbs (6.8-9.1 kg) of **High Yield** per 100 gallons (379 liters) of makeup water.

Unstable Formation : Increase to 25-40 lbs (11.3-18.1 kg) per 100 gallons (379 liters) of makeup water.

### PACKAGING

Packaged in 50 lb (22.7 kg) multi-walled paper bags.

### SPECIFICATIONS

Fann @ 600 RPM	: 30.0
Filtrate	: 16.20 ml
Moisture	: 10.0 Maximum
Dry Sieve Analysis	: 75.80% (200 mesh)
Wet Sieve Analysis	: 2.3%-3.5% (200 mesh)
pH	: 7.9

### TYPICAL CHEMICAL ANALYSIS

SiO <sub>2</sub>	61.3	%
Al <sub>2</sub> O <sub>3</sub>	19.8	%
Fe <sub>2</sub> O <sub>3</sub>	3.9	%
CaO	0.6	%
MgO	1.3	%
Na <sub>2</sub> O	2.2	%
K <sub>2</sub> O	0.4	%
Trace Elements	3.2	%
H <sub>2</sub> O (crystal)	7.2	%

Yield >220bbl/ton

### X-RAY ANALYSIS

85 %	Montmorillonite
5%	Quartz
5%	Feldspars
2%	Cristobalite
2%	Illite
1%	Calcite and Gypsum

